People 🔳

Publications ...

Job Opportunities 🔳

News & Events

Seminars 
Contact Information

Awardsand Honora

Statistical Sciences

Statistical Consulting

D-1 Home > Publications and Presentations

## Research Focus Areas Statistics Publications

Publications and Presentations 2000 | Publications 1990s

Publications 1980s | Publications 1970s

**Books** 

## Publications 1980s

## Journal Articles

Beckman, R.J., and Tietjen, G.L. (1989)

"Two-Sided Tolerance Limits for Balanced Random-Effects ANOVA Models," *Technometrics*, 31:185-197.

Hamada, M. S. (1989)

" The Costs of Using Incomplete Response Data for the Exponential Regression Model," *Communications in Statistics - Theory and Methods*, 18:1691-1714.

Meyer, M.A., Mniszewski, S.M., and Peaslee, A. T., Jr. (1989)
"Using Three Minimally-Biasing Elicitation Techniques for Knowledge Acquisition," *Knowledge Acquisition: An International Journal of Knowledge Acquisition for Knowledge-Based Systems*, 1:59-71.

Booker, J.M., and Meyer, M.A. (1988)

"Sources and Effects of Interexpert Correlation: An Empirical Study," *IEEE Transactions on Man, Systems, and Cybernetics,* 8:135-142.

Campbell, K. (1988)

"Bootstrapped Models for Intrinsic Random Functions," *Mathematical Geology*, 20:699-715.

Hamada, M.S., and Tse, S.K. (1988)

"A Note on Maximum Likelihood Estimation in Regression Models Using Interval Censored Data," *Journal of the Royal Statistical Society*, 50:293-296.

Martz, H.F., and Waller, R.A. (1988)

"On the Meaning of Probability," *Reliability Engineering and System Safety*, 23:299-304.

Martz, H.F., Waller, R.A., and Fickas, E.T. (1988)

"Bayesian Reliability Analysis of Series Systems of Binomial Subsystems and Components," *Technometrics*, 30:143-154.

Moore, L.M. (1988)

"Singular Factorial Designs Resulting from Missing Pairs of Design Points," *Journal of Statistical Planning and Inference*, 19:325-340.

Moore, L.M. and Beckman, R.J. (1988)

"Approximate One-Sided Tolerance Bounds on the Number of Failures Using Poisson Regression," *Technometrics*, 30:283-290.

Picard, R. (1988)



"Measurement Campaigns for Holdup Estimation," *Nuclear Materials Management*, 16:9-11.

Stampfer, J.F., Beckman, R.J., and Berardinelli, S.P. (1988)
"Using Immersion Test Data to Screen Chemical Protective Clothing,
Journal of American Industrial Hygiene Association, 49:579-583.

Beckman, R.J., and Johnson, M.E. (1987)

"Fitting the Student-t Distribution to Grouped Data, with Application to a Particle Scattering Experiment," *Technometrics*, 29:17-22.

Beckman, R.J., and McKay, M.D. (1987)

"Monte Carlo Estimation Under Different Distributions Using the Same Simulation," *Technometrics*, 29:153-160

Beckman, R.J., Nachtsheim, C.J., and Cook, R.D. (1987)
"Diagnostics for Mixed-Model Analysis of Variance," *Technometrics*, 29-413-426.

Martz, H.F., and Johnson, M.E. (1987) "Risk Analysis of Terrorist Attacks," *Risk Analysis,* 7:35-47.

Picard, R.R.(1987)

"Sequential Analysis of Materials Balances," *Nuclear Materials Management*, 15:38-42.

Beckman, R.J. (1986)

"Assessment of Local Influence," *Journal of the Royal Statistical Society*, B(48):161-162.

Hamada, M.S., and Wu, C.F.J. (1986)

"Should Accumulation Analysis and Related Methods be Used for Industrial Experiments?" *Technometrics*, 28:302-306.

Martz, H.F., Burris, A., Bruckner, L., and Bivins, R. (1986) "Kalman Filter Estimation of Monthly U.S. Oil Imports," *Energy*, 2:271-280.

Picard, R.R. (1986)

"The Role of Statistics in Nuclear Materials Accounting: Issues and Problems," *Journal of the Royal Statistical Society*, A 149:309-310.

Booker, J.M., and Bryson, M.C. (1985)

"Annotated Bibliography on Decision Analysis with Applications to Project Management," *American Journal of Mathematical and Management Science*, 5:1-62.

Booker, J. M., and Bryson, M.C. (1985)

"Decision Analysis in Project Management: an Overview," *IEEE Transactions on Engineering Management*, 32:3-9.

Ford, A., and McKay, M.D. (1985)

"Quantifying Uncertainty in Energy Model Forecasts," *Energy Systems* and *Policy*, 9:217-247.

Martz, H.F., and Duran, B.S. (1985)

"A Comparison of Three Methods for Calculating Lower Confidence Limits on System Reliability Using Binomial Component Data," *IEEE Transactions on Reliability*, 34:113-120.

Beckman, R.J., Marsh, S.F., Abernathey, R.M., and Rein, J.E. (1984) "Plutonium-240 Half Life Determined by Isotope Dilution Mass Spectrometric Measurement of Grown-in Uranium-236," *Applied Radiation and Isotopes*, 35:163-170.

Martz, H.F., and Bryson, M.C. (1984)

"A Statistical Model for Combining Biased Expert Opinion," *IEEE Transactions on Reliability*, 33:227-232.

Albert Pare Salabi

figirie (16. de la companio de la c

may have a con-

Principal and a series

**产加速性的建筑企业**主义。 

Attack to seeming a

A DEPOS 9

group at 1 Hallender



Martz, H.F., and Johnson, J.W. (1984)

"Assessing Compatibility with Reactor Safety Goals Using Uncertain Risk Analysis Results with Application to Core Melt," Nuclear Safety, 25:305-316.

Martz, H.F., and Waller, R.A. (1984)

"On Broadening Failure Rate Distributions in PRA Uncertainty Analyses, Risk Analysis, 4:15-23.

Picard, R.R., and Cook, R.D. (1984)

"Cross-Validation of Regression Models," Journal of the American Statistical Association, 79:575-583.

Picard, R., and Pillay, K. (1984)

"Estimation Methods for Special Nuclear Materials Holdup," Nuclear Materials Management, 12:60-65.

Steinkruger, F.J., Metlack, G.M., and Beckman, R.J. (1984) "The Half Life of Plutonium-240 Determined by Specific Activity Measurements, Applied Radiation and Isotopes, 35:171-172.

Beckman, R.J., and Cook, R.D. (1983)

"Outlier . . . . . . s," Technometrics, 25:119-149.

Bolivar, S., Campbell, K., and Wecksund, G. (1983)

"R-Mode Factor Analysis Applied to Uranium Exploration in the Montrose Quadrange, Colorado," Journal of Geochemical Exploration, 19:723-743.

Martz, H.F., and Bryson, M.C. (1983)

"On Combining Data for Estimating the Frequency of Low-Probability Events with Application to Sodium Valve Failure Rates," Nuclear Science and Engineering, 83: 267-280.

Pirkle, F.L., Bement, T.R., Howell, J.A., Koch, C.D., Stablein, N.K., Beckman, R.J., and Tietjen, G.L. (1983)

"Identification of Regions Enriched or Depleted in Radioelements Through Nondistributional Analysis of Aerial Radiometric Data," Journal of Geochemical Exploration, 18:175-187.

Campbell, K. (1982)

'Recursive Computation of M-Estimates for the Parameters of a Finite Autoregressive Process," Annals of Statistics, 10:442-453.

Goldman, A.S., Picard, R.R., and Shipley, J.P. (1982)

"Statistical Methods for Nuclear Materials Safeguards: An Overview," Technometrics, 24:267-294.

Kahaner, D., Tietjen, G., and Beckman, R. (1982)

"Gaussian Quadrature Formulas for  $\int_{e^{-x^2}} g(x) dx$ ," Journal of Statistical

Simulation and Computation, 15: 155-160.

Lippman, D., Smith, T.F., Beckman, R.J., and Waterman, M.S. (1982) "A Hierarchical Analysis of Influenza A Hemagglutinin Gene," Nucleic Acid Research, 10:5375-5389.

McKay, M.D., and Waterman, M.S. (1982)

"Self-Descriptive Strings," Mathematical Gazette, 62: need page numbers.

Meyer, M.A., Booker, J.M., Cullingford, H.S., and Peaslee, A.T., Jr. (1982)

"A Data Gathering Method for Use in Modeling Energy Research, Development and Demonstrations Programs," Alternative Energy Sources, 8:421-430.



Pirkle, F.L., Beckman, R.J., and Fleischhauer, H.L. Jr. (1982)
"A Multivariate Uranium Favorability Index Using Aerial Radiometric
Data," *Journal of Geology*, 90:109-124.

Beckman, R.J., and Johnson, M.E. (1981)

A Ranking Procedure for Partial Discriminant Analysis," *Journal of the American Statistical Association*, 76:671-675.

McKay, M.D., and Bolstad, J.W. (1981)

"On Determining Variation and Sensitivity in Computer Models," Research Mechanica Letters, 1:171-174.

Aiken, S.G., and Picard, R.R. (1980)

"The Influence of Substrate on the Growth and Morphology of Myriophyllum Exalbescens and Myriophyllum Spicatum," *Canadian Journal of Botany*, 58:1111-1118.

Johnson, M.E., Beckman, R.J., and Tietjen, G.L. (1980)
A New Family of Probability Distributions with Applications to Monte Carlo Studies," *Journal of the American Statistical Association*, 75:276-279.

Marsh, S.F., Abernathy, R.M., Beckman, R. J., and Rein, J.E. (1980) "Plutonium-241 Half Life Determined by Mass Spectrometric Measurement of Decreasing Pu-241/Pu-242 Ratio," *The International Journal of Applied Radiation and Isotopes*, 31:629-631.

McKay, M.D., and Beckman, R.J. (1980)

"Comments on Small Sample Sensitivity Analysis Techniques for Computer Models, with Applications to Risk Assessment," Communications in Statistics-A, 17:1749-1842.

McWilliams, T.P. and Martz, H.F. (1980)

"Human Error Considerations in Determining the Optimum Test Interval for Periodically Inspected Standby Systems," *IEEE Transactions on Reliability*, R-29:305-310.



<u>D division home | D=1 | D=2 | D=3 | D=4 | D=5 | D-7 | D=10 | D=11 | DOD prog</u>

Operated by the <u>University of California for the National Nuclear Security Admi</u>
US Department of Energy | Copyright @ UC 2002 | For conditions of use, see D